

UC-NRLF



QB 809 179

QL
685
B7

PROVINCIAL MUSEUM, VICTORIA, B. C.

CATALOGUE

—OF—

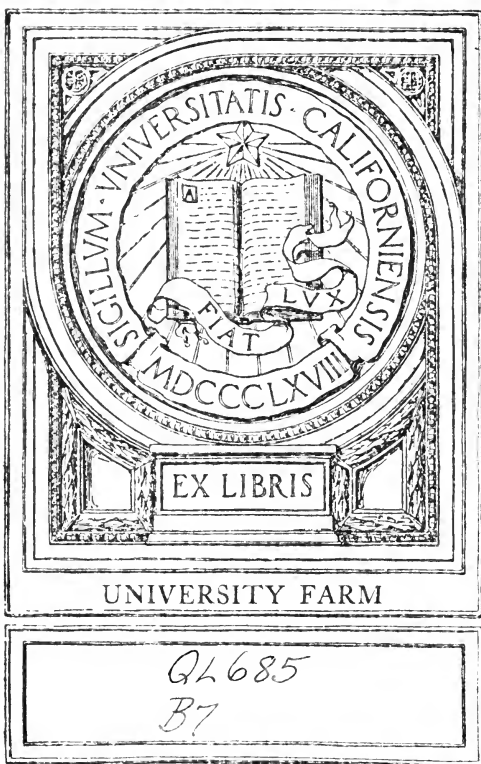
BRITISH COLUMBIA BIRDS.



THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

VICTORIA B. C.:

Printed by RICHARD WOLFENDEN, I.S.O., V.D., Printer to the King's Most Excellent Majesty.
1904.



EX LIBRIS

UNIVERSITY FARM

QL685
B7

PROVINCIAL MUSEUM, VICTORIA, B. C.

CATALOGUE



BRITISH COLUMBIA BIRDS.



THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

VICTORIA B. C.:

Printed by RICHARD WOLFENDEN, I.S.O., V.D., Printer to the King's Most Excellent Majesty.
1904.

Digitized by the Internet Archive
in 2007 with funding from
Microsoft Corporation

PREFACE.

—:o:—

The present list is intended to include all birds which have been so far proven to occur in British Columbia.

I am fully aware of its incompleteness, and very much regret much of its lack of more definite information regarding the distribution of certain species, and with regard to that portion of the Province in north and north-eastern interior, which, I have no doubt, is a valuable field for work.

Since the publication of the list of British Columbia birds in 1898 by the late John Fannin, which contained 339 species and sub-species, and with the information to hand, enables me to add to this 24.

I wish to extend my thanks especially to the following constant observers for more or less extended local lists, notes and specimens:—A. C. Brooks, Chilliwack, Okanagan and Cariboo; Rev. J. H. Keen, Queen Charlotte Islands and Metlakatla; Thos. Kermode, William Head Quarantine Station; E. P. Venables, Vernon; Chas. de Blois Green, Fairview and Keremeos.

I have also obtained valuable information from the check-list published by the late John Fannin.

FRANCIS KERMODE,

Curator Provincial Museum.

Victoria, B. C., August, 1904.

4532



CATALOGUE OF BRITISH COLUMBIA BIRDS.

—:o:—

ORDER PYGOPODES. DIVING BIRDS.

FAMILY PODICIPEDIDÆ. GREBES.

ÆCHMOPHORUS COUES.

1. Western Grebe.

Æchmophorus occidentalis (LAWR.).

A common winter resident along the coast of Vancouver Island and Mainland. Mr. Brooks says a few remain all winter at Okanagan Lake.

COLYMBUS LINNÆUS.

2. American Red-necked Grebe. "Holbœll's Grebe."

Colymbus holbœlli (REINH.).

A common winter resident along the coast of Vancouver Island and Mainland. Winter resident on Okanagan Lake. (*Brooks.*) Not common at Metlakatla. (*Rev. J. H. Keen.*) Breeds on many of the lakes along the Cariboo Road above Clinton. (*Fannin.*)

3. Horned Grebe.

Colymbus auritus (LINN.).

A common winter resident on the coast, and very common in the straits near Victoria, in April. Brooks reports it at Okanagan Lake all winter. Breeds on the lakes from Okanagan to Dease Lake. (*Fannin.*) Rare at Metlakatla. (*Rev. J. H. Keen.*)

4. American Eared Grebe.

Colymbus nigricollis californicus (HEERM.).

Taken at Kamloops, June, 1889. (*Spreadborough.*) Found breeding on lakes at Kamloops; Catalogue of Canadian Birds. (*Macoun.*)

PODILYMBUS LESSON.

5. Pied-billed Grebe.

Podilymbus podiceps (LINN.).

Common resident on Vancouver Island; it breeds on lakes close to Victoria. Common resident on Island and Mainland; breeds throughout its range. (*Fannin.*)

FAMILY GAVIIDÆ LOONS.

GAVIA FORSTER.

6. Great Northern Diver. Loon.

Gavia imber (GUNN.).

Common resident throughout the Province ; breeds on Vancouver Island and Mainland.

7. Black-throated Loon.

Gavia arcticus (LINN.).

Taken at Burrard Inlet (*Fannin*), and at Dease Lake, Cassiar, by James Porter.

8. Pacific Loon.

Gavia pacificus (LAWR.).

Not common ; one specimen taken at Comox by W. B. Anderson, and at Chilliwack by Brooks ; Victoria, May 13th, 1904, by Fred. Foster.

9. Red-throated Loon.

Gavia lumme (GUNN.).

I found this species quite common on Barkley Sound, V. I., April 19th, 1894, and fairly common near Esquimalt. Mr. Brooks reports it at Chilliwack.

FAMILY ALCIDÆ. AUKS, MURRES AND PUFFINS.

LUNDA PALLAS.

10. Tufted Puffin.

Lunda cirrhata (PALL.).

Common along the coast of Vancouver Island, Queen Charlotte Islands and Mainland ; breeds on Bare Island, near Sidney, B. C.

FRATERCULA BRISSON.

11. Horned Puffin.

Fratercula corniculata (NAUM.).

Rare at Massett, Queen Charlotte Islands. (*Rev. J. H. Keen.*)

CERORHINCA BONAPARTE.

12. Rhinoceros Auklet.

Cerorhinca monocerata (PALL.).

Coasts of Vancouver Island and Mainland. Breeds on islands in Gulf of Georgia.

PTYCHORAMPUS BRANDT.

13. Cassin's Auklet.

Ptychorampus aleuticus (PALL.).

The entire coast line of the Province and West Coast of Vancouver Island. (*Fannin.*) This species was seen in the Gulf of Georgia, between Salt Spring Island and Nanaimo, May 7th, 1887. (*Macoun.*)

SYNTHLIBORAMPUS BRANDT.

14. Ancient Murrelet.

Synthliborampus antiquus (GMEL.).

Not common. West Coast of Vancouver Island and taken in the Straits, near Victoria. Rev. J. H. Keen reports it rare on Queen Charlotte Islands.

BRACHYRAMPUS BRANDT.

15. Marbled Murrelet.

Brachyrampus marmoratus (GMEL.).

An abundant resident along the coast of British Columbia; have taken it at Skidegate, Queen Charlotte Islands, in August, 1895. Rare at Metlakatla. (*Rev. J. H. Keen.*) Breeds on Vancouver Island, and on some of the smaller islands in the Gulf of Georgia, and along many of the inlets of the Mainland. (*Fannin.*)

CEPPHUS PALLAS.

16. Pigeon Guillemot.

Cephus columba (PALL.).

An abundant resident along the coast from Race Rocks to Alaska, and quite common in Skidegate Inlet, Q. C. I., August, 1895. Breeds throughout its range.

URIA BRISSON.

17. California Murre, Guillemot.

Uria troile californica (BRYANT).

A resident along the coast of Vancouver Island and Mainland. Breeds on West Coast of Vancouver Island.

ORDER LONGIPENNES. LONG-WINGED SWIMMERS.

FAMILY STERCORARIIDÆ. SKUAS AND JAEGER.

STERCORARIUS BRISSON.

18. Pomarine Jaeger.

Stercorarius pomarinus (TEMM.).

One specimen taken near Victoria, October 22nd, 1898.

19. **Parasitic Jaeger.***Stercorarius parasiticus* (LINN.).

One specimen taken at Victoria by Wm. L. Gilchrist, November, 1897. Another specimen was taken at Comox by A. C. Brooks, September 12th, 1903.

20. **Long-tailed Jaeger.***Stercorarius longicaudus* (VIEILL.).

Once shot and several times seen at Sumas Lake, September, 1890. (Brooks).

FAMILY **LARIDÆ**. THE GULLS AND TERNS.**PAGOPHILA** KAUP.21. **Ivory Gull. Snow Gull.***Pagophila alba* (GUNN.).

One specimen shot at Dease Lake, Cassiar, by James Porter, September, 1889. Another specimen was shot at Okanagan Lake in November, 1897, by Mr. J. T. Studley, and presented to the Museum. Mr. A. C. Brooks also reports it from Okanagan.

RISSA STEPHENS.22. **Pacific Kittiwake.***Rissa tridactyla pollicaris* (RIDGW.).

Taken near Discovery Island, January, 1896, by W. Lindley, and at Queen Charlotte Islands by Dr. C. F. Newcombe, September, 1895.

LARUS LINNÆUS.23. **Glaucous-winged Gull.***Larus glaucescens* (NAUM.).

An abundant resident on the coast; breeds on some of the islands in the Gulf of Georgia. Mr. Brooks reports it from Okanagan Lake.

24. **Western Gull.***Larus occidentalis* (AUD.).

An abundant resident on the coast during the winter months. Taken at Chilliwack. (A. C. Brooks.) Breeds in Similkameen Valley. (Fannin.)

25. **American Herring Gull.***Larus argentatus smithsonianus* (COUES.).

An abundant resident on the coast. It breeds on the coast and in the interior of Mainland. Common at Metlakatla. (Rev. J. H. Keen.) Chilliwack and Okanagan. (Brooks.)

26. **California Gull.***Larus californicus* (LAWR.).

A common winter resident on the coast. Common in the Lower Fraser Valley and on the Okanagan Lake in winter. (*Brooks.*)

27. **Ring-billed Gull.***Larus delawarensis* (ORD.).

Common along the coast of Vancouver Island and Mainland. Common in winter at Okanagan Lake and Chilliwack. (*Brooks.*) Breeds in the Interior, especially to the northward. (*Fannin.*)

28. **Short-billed Gull.***Larus brachyrhynchus* (RICH.).

Common winter resident along the coast of Vancouver Island and Mainland. Common in Lower Fraser Valley. (*Brooks.*) During the early part of May, 1891, I saw quite a number on the lakes of the Cariboo District, where it probably breeds. (*Fannin.*)

29. **Heermann's Gull. White-headed Gull.***Larus heermanni* (CASS.).

Common along the southern coast of Vancouver Island during July and August. Taken at William Head in full plumage, June 28th, 1904, by Thos. Kermodé.

30. **Bonaparte's Gull.***Larus philadelphia* (ORD.).

An abundant resident throughout the Province, and found in great numbers about the inlets and rivers in March and April; it breeds in the interior of the Province I have also seen it on the coast in June and July.

XEMA LEACH.31. **Sabine's Gull.***Xema sabinii* (SAB.).

Taken at Okanagan Lake, September 9th, 1897. (*Brooks.*)

STERNA LINNÆUS.32. **Common Tern.***Sterna hirundo* (LINN.).

One specimen shot at Cowichan Gap by R. D. McClure, September 15th, 1896, and presented to the Museum.

33. Arctic Tern.

Sterna paradisaea (BRUNN.).

From Dease Lake south, through the interior of the Mainland to Okanagan Lake. Two specimens—one taken at Dease Lake by James Porter, and another shot at Okanagan Lake by A. C. Brooks, September, 1897.

HYDROCHELIDON BOIE.

34. Black Tern.

Hydrochelidon nigra surinamensis (GMEL.).

Not common. I observed it at Okanagan, June, 1895. Taken at Sumas and Okanagan Lake by A. C. Brooks, Burrard Inlet, Fraser River and interior of Mainland. (*Fannin.*)

ORDER TUBINARES. TUBE-NOSED SWIMMERS.

FAMILY DIOMEDEIDÆ. ALBATROSSES.

DIOMEDEA LINNÆUS.

35. Black-footed Albatross.

Diomedea nigripes (AUD.).

West Coast of Vancouver Island. (*Fannin.*) Rare at Queen Charlotte Islands. (*Rev. J. H. Keen.*) One specimen taken near Nanaimo, June 13th, 1904.

36. Short-tailed Albatross.

Diomedea albatrus (PALL.).

In April, 1894, I found this species quite common in the Pacific Ocean, near Cape Beale.

Tolerably common on both coasts of Vancouver Island, but more abundant on the West Coast; a few have been taken in the straits off Victoria Harbour. (*Fannin.*)

FAMILY PROCELLARIIDÆ. FULMARS & SHEARWATERS.

FULMARS STEPHENS.

37. Pacific Fulmar.

Fulmarus glacialis glupischa (STEJN.).

One specimen taken at Chemainus, Vancouver Island, November, 1895. (*Fannin.*)

PUFFINUS BRISSON.

38. Black-vented Shearwater.

Puffinus opisthomelas (COUES).

Not common; four specimens taken off Albert Head, October 24th, 1891.

39. **Dark-bodied Shearwater.***Puffinus griseus* (GMEL.).

During the fall of 1895 Dr. C. F. Newcombe found this species common on the West Coast of Queen Charlotte Islands. Since then one was picked up dead on the beach near Victoria.

40. **Slender-billed Shearwater.***Puffinus tenuirostris* (TEMM.).

Not common; one specimen shot at William Head and presented to the Museum by T. Kermode, February 23rd, 1904.

OCEANODROMA REICHENBACH.41. **Gray Fork-tailed Petrel.***Oceanodroma furcata* (GMEL.).

Found along both coasts of Vancouver Island, but more common on the Pacific Coast; a few have been taken in the Straits near Victoria. Very rare at Metlakatla; one picked up exhausted. (*Rev. J. H. Keen.*)

42. **Leach's Fork-tailed Petrel. White-rumped Petrel.***Oceanodroma leucorhoa* (VIEILL.) COUES.

West Coast of Vancouver Island. Four specimens taken in Hecate Strait, July, 1904. One specimen found dead on beach off Beacon Hill, Victoria, November, 1893.

ORDER STEGANOPODES. TOTIPALMATE SWIMMERS.**FAMILY PHALACROCORACIDÆ. CORMORANTS.****PHALACROCORAX BRISSON.**43. **White-crested Cormorant.***Phalacrocorax dilophus cinnatus* (BRANDT).

Common on both coasts of Vancouver Island and coast of Mainland, from Race Rocks to Alaska.

44. **Brandt's Cormorant. Pencilled Cormorant.***Phalacrocorax penicillatus* (BRANDT).

Two specimens were killed in the Straits, near Victoria, by D. E. Campbell, April 19th, 1897. Later in the month another specimen was found on the beach at Beacon Hill.

45. **Violet-green Cormorant.**

Phalacrocorax pelagicus robustus (RIDGW.).

This is the most abundant Cormorant in the Province, and is found along both coasts of the Island, and has been taken as far north as Port Simpson. Breeds on islands close to Sidney Island. Common at Metlakatla. (Rev. J. H. Keen.)

FAMILY **PELECANIDÆ**. PELICANS.

PELECANUS LINNÆUS.

46. **American White Pelican.**

Pelecanus erythrorhynchos (GMEL.).

Not common. Four specimens taken—Sicamous, October, 1890; Alexandria Bridge, September, 1895; Tranquille, August, 1897; Comox, September 8th, 1900. Mr. Brooks reports it from Chilliwack and Okanagan. Said to breed in the Chilcotin country. (Fannin.)

47. **California Brown Pelican.**

Pelecanus californicus (RIDGW.).

Not common. One specimen in the Museum killed at Race Rocks, January, 1897. Seen at Sumas Lake. (Brooks.)

ORDER **ANSERES**. LAMELLIROSTRAL SWIMMERS.

FAMILY **ANATIDÆ**. MERGANSERS, DUCKS, GEESE AND SWANS.

MERGANSER BRISSON.

48. **American Merganser.**

Merganser americanus (CASS.).

Found throughout the Province, have taken it on West Coast of Vancouver Island in May; also on Queen Charlotte Islands in July, 1895, I took four young birds. Brooks reports it found on Okanagan Lake all winter.

49. **Red-breasted Merganser.**

Merganser serrator (LINN.).

Found distributed throughout the Province. I saw them at Sumas Lake May 17th, 1904. Rev. J. H. Keen says common at Metlakahtla. Chilliwack and Okanagan. (Brooks.)

LOPHODYTES REICHENBACH.

50. **Hooded Merganser.**

Lophodytes cucullatus (LINN.).

This species is common throughout the Province and on the Pacific Coast, Brooks has taken it at Chilliwack and Okanagan.

ANAS LINNÆUS.

51. Mallard.

Anas boschas (LINN.).

An abundant resident throughout the Province; breeds in suitable localities throughout its range.

CHAULELASMUS BONAPARTE.

52. Gadwall. Gray Duck.

Chaulelasmus strepera (LINN.).

Not common; a few have been taken near Victoria. Mr. Brooks reports it from Chilliwack and Okanagan.

MARECA STEPHENS.

53. European Widgeon.

Mareca penelope (LINN.).

Rare. Two specimens, one taken near Victoria February 9th, 1899, and another near Saanich.

54. American Widgeon. Baldpate.

Mareca americana (GMEL.).

A common winter resident on the coast. Brooks reports it from Chilliwack and Okanagan. Breeds on lakes on Cariboo Road above Clinton. (*Fannin.*)

NETTION KAUP.

55. Green-winged Teal.

Nettion carolinensis (GMEL.).

An abundant resident. Breeds in the interior of the Mainland. Common on the coast throughout the winter. Rare on Queen Charlotte Islands. (*Rev. J. H. Keen.*)

QUERQUEDULA STEPHENS.

56. Blue-winged Teal.

Querquedula discors (LINN.).

Not common on the coast; a few are taken every year. Taken at Chilliwack. (*Brooks.*)

57. Cinnamon Teal.

Querquedula cyanoptera (VIEILL.).

A summer visitor in the interior of the Province. Brooks has taken it at Chilliwack and Okanagan.

SPATULA BOIE.

58. Shoveller. Spoon-bill.

Spatula clypeata (LINN.).

A common resident on the Mainland, rarely met with on Vancouver Island. Brooks says common resident in Lower Fraser Valley about Sumas Lake, has also taken it on Okanagan.

DAFILA STEPHENS.

59. Pintail. Sprigtail.

Dafila acuta (LINN.).

An abundant winter resident on the coast. Breeds in the interior of the Mainland.

AIX BOIE.

60. Wood Duck.

Aix sponsa (LINN.).

Not common. A summer resident on Island and Mainland. Brooks has taken it at Chilliwack and Okanagan.

AYTHYA BOIE.

61. Red-head. Pochard.

Aythya americana (EYT.).

A winter resident on the coast, but nowhere common; a few are taken every season. Fannin found it breeding on the lakes along the Cariboo Road.

62. Canvas-back Duck.

Aythya vallisneria (WILS.).

A winter resident on the coast. Brooks has taken it on Okanagan Lake. I found them in pairs on the lakes near 108-Mile House, Cariboo Road, in April and May, 1891, where I was told they breed. (*Fannin*).

63. American Scaup Duck. Blue-bill.

Aythya marila (LINN.).

An abundant winter resident on the coast. Breeds in the interior of Mainland.

64. Lesser Scaup Duck.

Aythya affinis (EYT.).

Not common on the coast. Fannin has taken it in May near Ashcroft, and Brooks has seen it all winter at Okanagan.

65. **Ring-necked Duck.***Aythya collaris* (DONOV.).

Not common. A few have been taken on Vancouver Island. Mr. Brooks says common in Lower Fraser Valley, and is found all winter on Okanagan Lake.

CLANGULA LEACH.66. **American Golden-eye. Whistler.***Clangula clangula americana* (FAXON.)

* A common winter resident on the coast. Fannin says breeds in interior. Brooks has taken it at Chilliwack and Okanagan.

67. **Barrow's Golden-eye.***Clangula islandica* (GMEL.).

Not common. It winters on the coast; a few have been taken on Vancouver Island. Brooks has taken it at Okanagan. Fannin found it plentiful on the lakes along the Cariboo Road, May, 1891.

CHARITONETTA STEJNEGER.68. **Buffle-head. Butter-ball.***Charitonetta albeola* (LINN.).

An abundant winter resident on the coast. Breeds in the interior of the Mainland. Common at Metlakatla. (*Rev. J. H. Keen.*)

HARELDA STEPHENS.69. **Long-tailed Duck. Old Squaw.***Harelda hyemalis* (LINN.).

Common; the coasts of Vancouver Island and Mainland. Brooks has taken it at Chilliwack. Rev. J. H. Keen reports it common at Metlakatla.

HISTRIONICUS LESSON.70. **Harlequin Duck.***Histrionicus histrionicus* (LINN.).

A common resident on the coast. I found it breeding at Bear River, Vancouver Island, May, 1894. Brooks has taken it at Chilliwack. Rare at Queen Charlotte Islands. (*Rev. J. H. Keen.*)

OIDEMIA FLEMING.

71. American Black Scoter.

Oidemia americana (SWAINS.).

Not common ; has been taken at Victoria and Port Simpson. Fannin saw a small flock on a lake near 108-Mile House, Cariboo Road, 10th May, 1891. Fairly common at Matlakatla. (*Rev. J. H. Keen.*)

72. White-winged Scoter.

Oidemia deglandi (BONAP.).

An abundant resident, and is found on the coast throughout the year. Brooks reports it from Chilliwack and Okanagan. Rev. J. H. Keen says is common at Metlakatla.

73. Surf Scoter. Sea Coot.

Oidemia perspicillata (LINN.).

Abundant resident along the coasts of Vancouver Island and Mainland. Found at Chilliwack and Okanagan. (*Brooks.*) Common at Metlakatla. (*Rev. J. H. Keen.*)

ERISMATURA BONAPARTE.

74. Ruddy Duck.

Erismatura jamaicensis (GMEL.).

Not common on the Coast ; a few are taken in the winter. Fannin found it breeding in the lakes along the Cariboo Road, May, 1891. Brooks has seen it at Chilliwack and Okanagan.

CHEN BOIE.

75. Lesser Snow Goose.

Chen hyperborea (PALL.).

A winter resident on the Coast. Brooks has seen it at Chilliwack. During some winters large numbers congregate off the mouth of Fraser River. (*Fannin.*)

76. Ross's Snow Goose.

Chen rossii (CASSIN.).

This is a rare bird in B. C. One specimen taken at Comox, January, 1894 ; another was taken at Kuper Island, April, 1895.

ANSER BRISSON.

77. American White-fronted Goose.

Anser albifrons gambeli (HARTL.).

Abundant on the Coast in winter. Breeds both on Island and Mainland. The young have been taken on Cowichan Lake. (*Fannin.*) Brooks has taken it at Sumas and Okanagan Lakes. Common at Metlakatla. (*Rev. J. H. Keen.*)

BRANTA SCOPOLI.

78. Canada Goose.

Branta canadensis (LINN.).

An abundant winter resident on the Coast. Breeds in the interior of the Mainland; the eggs have been taken at Penticton by C. DeBlois Green.

79. Hutchin's Goose.

Branta canadensis hutchinsii (RICH.).

Abundant in the spring and fall migrations, and winters on the Coast.

80. White-cheeked Goose.

Branta canadensis occidentalis (BAIRD).

Taken at Chilliwack by A. C. Brooks.

81. Cackling Goose.

Branta canadensis minima (RIDGW.).

Winter resident on the Coast; has been taken at Elk Lake, near Victoria. Brooks reports it from Chilliwack and Okanagan.

82. Brant.

Branta bernicla glaucogastra (BREHM.).

Two specimens shot at Comox by A. C. Brooks, January 10th, 1904.

83. Black Brant.

Branta nigricans (LAWR.).

An abundant winter resident on the Coast. In April, 1894, I saw them in great numbers off Barkley Sound migrating north.

PHILACTE.

84. Emperor Goose.

Philacte canagica (SEVAST.).

One specimen shot at Chemainus, December, 1894.

OLOR WAGLER.

85. Whistling Swan.

Olor columbianus (ORD.).

A winter resident on Vancouver Island and southern Mainland. Mr. Brooks records it from Chilliwack and Okanagan.

86. Trumpeter Swan.

Olor buccinator (RICH.).

I have only seen this bird at Dease Lake, Cassiar. (*Fannin*.) Mr. Brooks has found it at Sumas and Okanagan.

ORDER HERODIONES. HERONS, IBISES, ETC.

FAMILY IBIDIDÆ. IBISES.

PLEGADIS KAUP.

87. White-faced Glossy Ibis.

Plegadis guarauna (LINN.).

Only two specimens known to be taken in the Province, one on Salt Spring Island, the other at mouth of Fraser River. Check List of B. C. Birds, 1891. (*Fannin*.)

FAMILY ARDEIDÆ. HERONS AND BITTERNS.

BOTAURUS HERMANN.

88. American Bittern.

Botaurus lentiginosus (MONTAG.).

Common throughout the greater portion of the Province. Breeds both east and west of Cascades.

ARDEA LINNÆUS.

89. Great Blue Heron.

Ardea herodias (LINN.).

A common resident on the coast, and is quite common at Sumas Lake and Okanagan. Breeds throughout its range.

90. Northwest Coast Heron.

Ardea herodias fannini (CHAPMAN).

In August, 1895, I found this form, now named after the late John Fannin by Frank M. Chapman, quite common at Skidegate, Queen Charlotte Islands.

EGRETTA FORESTER.

91. Snowy Heron.

Egretta candidissima (GMEL.).

Rare in British Columbia. Two specimens collected at Burrard Inlet, May, 1879. (*Fannin*.) One specimen is in the Museum.

ORDER PALUDICOLÆ. CRANES, RAILS, ETC.

FAMILY GRUIDÆ. CRANES.

GRUS PALLAS.

92. Little Brown Crane.

Grus canadensis (LINN.).

Common, during migrations, throughout the Province.

93. Sandhill Crane.

Grus mexicana (MULL.).

Common throughout the Province; it breeds in the interior of Mainland; numbers pass over Victoria in the spring and autumn migrations.

FAMILY RALLIDÆ. RAILS AND COOTS.

RALLUS LINNÆUS.

94. Virginia Rail.

Rallus virginianus (LINN.).

Tolerably common on Island and Mainland; breeds close to Victoria. Brooks has taken it at Chilliwack and Okanagan.

PORZANA VIEILLOT.

95. Carolina Rail. SORA.

Porzana carolina (LINN.).

Found on Vancouver Island and Mainland. Rev. J. H. Keen reports it very rare on Queen Charlotte Islands. Common east of Cascades. (*Fannin*.)

FULICA LINNÆUS.

96. American Coot. Mud-hen.

Fulica americana (GMEL.).

A common resident on Island and Mainland; breeds throughout its range.

ORDER LIMICOLÆ. SHORE BIRDS.

FAMILY PHALAROPODIDÆ. PHALAROPES.

CRYMOPHILUS VIEILLOT.

97. Red Phalarope.

Crymophilus fulicarius (LINN.).

Taken at Clover Point, near Victoria, during migration.

PHALAROPUS BRISSON.

98. Northern Phalarope.

Phalaropus lobatus (LINN.).

Abundant along the coast of Island and Mainland in the spring and autumn. Brooks has taken it at Chilliwack and Okanagan. Fannin has taken it at Burrard Inlet in July.

STEGANOPUS. VIEILLOT.

99. Wilson's Phalarope.

Steganopus tricolor (VIEILL.).

Taken at Chilliwack by A. C. Brooks.

FAMILY SCOLOPACIDÆ. SNIPES, SAND-PIPERS, ETC.

GALLINAGO LEACH.

100. Wilson's Snipe.

Gallinago delicata (ORD.)

Common throughout the Province on Island and Mainland; breeds in the interior. Rev. J. H. Keen reports it common at Metlakatla.

MACRORHAMPHUS LEACH.

101. Long-billed Dowitcher. Red-breasted Snipe.

Macrorhamphus scolopaceus (SAY.).

Tolerably abundant throughout the Province. I found it quite common at Clayoquot, West Coast Vancouver Island, in May, 1894. Fannin says breeds in the interior. Brooks has taken it at Chilliwack. Fairly common at Metlakatla. (Rev. J. H. Keen.)

MICROPALAMA BAIRD.

102. Stilt Sandpiper.

Micropalama himantopus (BONAP.).

Taken at Chilliwack, August 19th, 1899, by A. C. Brooks.

TRINGA LINNÆUS.

103. Knot. Robin Snipe.

Tringa canutus (LINN.).Abundant during migrations, chiefly along the coast. (*Fannin*.) Taken at Chilliwack. (*Brooks*.)

ACTODROMAS KAUP.

104. Sharp-tailed Sandpiper.

Actodromas acuminata (HORSF.).

Two specimens taken at Massett, Queen Charlotte Islands, December 27th, 1897, by Rev. J. H. Keen.

105. Pectoral Sandpiper.

Actodromas maculata (VIEILL.).

Not common; taken along the coast during migrations. Brooks has taken it at Chilliwack and Okanagan.

106. Baird's Sandpiper.

Actodromas bairdii (COUES.).Distributed along the coast of Island and Mainland. Rev. J. H. Keen reports it rare at Metlakatla. Taken at Chilliwack and Okanagan (*Brooks*); and at Clover Point, Victoria (*E. M. Anderson*).

107. Least Sandpiper.

Actodromas minutilla (VIEILL.).

Common along the coast of Island and Mainland. I found it common at Clayoquot in May, 1894; I have also taken it near Victoria in July. Brooks has taken it at Chilliwack and Okanagan. Fannin has taken it at 108-Mile House, Cariboo Road, in May.

PELIDNA CUVIER.

108. Red-backed Sandpiper.

Pelidna alpina sakhalina (VIEILLOT).

Common in the spring and autumn migration along the coast of Island and Mainland. Brooks has taken it at Chilliwack.

EREUNETES ILLIGER.

109. Semipalmated Sandpiper.

Ereunetes pusillus (LINN.).

Not uncommon in migration along the Coast. Chilliwack and Okanagan. (Brooks.) Common at Metlakatla. (Rev. J. H. Keen.)

110. Western Semipalmated Sandpiper.

Ereunetes pusillus occidentalis (LAWR.).

Abundant in the fall along the Coast. I also found it very common at Clayoquot, May, 1894, and have taken it near Victoria in July. Brooks has taken it at Chilliwack.

CALIDRIS CUVIER.

111. Sanderling.

Calidris arenaria (LINN.).

Not common; several have been taken near Victoria by A. H. Maynard. Brooks has taken it at Chilliwack. Fairly common at Metlakatla. (Rev. J. H. Keen.)

LIMOSA BRISSON.

112. Marbled Godwit.

Limosa fedoa (LINN.).

The whole of British Columbia; breeds chiefly east of Cascades. (Fannin.) Port Simpson. (W. B. Anderson.)

TOTANUS BECHSTEIN.

113. Greater Yellow-legs.

Totanus melanoleucus (GMEL.).

Common along the coast in winter; have taken it at Clayoquot in May. Brooks has taken it at Chilliwack and Okanagan. I found it breeding around the lakes at Clinton, May, 1891. (Fannin.)

114. Lesser Yellow-legs.

Totanus flavipes (GMEL.).

Tolerably common through the Province; winters on the coast. Brooks has taken it at Chilliwack and Okanagan.

HELODROMAS KAUP.

115. Solitary Sandpiper.

Helodromas solitarius (WILS.).

Found throughout the Province. Taken at Chilliwack and Okanagan. (Brooks.)

116. Western Solitary Sandpiper.

Helodromas solitarius cinnamomeus (BREWSTER).Taken at Chilliwack and Okanagan. (*Brooks*).

SYMPHEMIA RAFINESQUE.

117. Western Willet.

Symphemia semipalmata inornata (BREWSTER).

One specimen shot at Clover Point, near Victoria, August 18th, 1898, by Mr. J. Henley.

HETERACTITIS STEJNEGER.

118. Wandering Tattler.

Heteractitis incanus (GMEL.).

Tolerably common along the coast of Island and Mainland. I took it at Clayoquot, May, 1894, and at Skidegate, Queen Charlotte Islands, August 5th, 1895.

BARTRAMIA LESSON.

119. Bartramian Sandpiper.

Bartramia longicauda (BECHST.).

One specimen shot at Comox, August 20th, 1895, by W. B. Anderson. Another was taken at 150-Mile House, Cariboo Road, May 16th, 1901, by A. C. Brooks.

TRYNGITES CABANIS.

120. Buff-breasted Sandpiper.

Tryngites subruficollis (VIEILL.).

Not common. Taken at Chilliwack by A. C. Brooks.

ACTITIS ILLIGER.

121. Spotted Sandpiper.

Actitis macularia (LINN.).

This bird is found along the entire coast; I have taken it at Clayoquot Vancouver Island, and at Skidegate, Queen Charlotte Islands, July 26th, 1895. Brooks has taken it at Chilliwack and Okanagan.

NUMENIUS BRISSON.

122. Long-billed Curlew.

Numenius longirostris (WILS.).

A few specimens have been taken on the coast, but is to be more frequently met with in the interior of the Mainland, south through the Okanagan.

123. Hudsonian Curlew.

Numenius hudsonicus (LATH.).

Not common, but distributed along the coast of Island and Mainland. I have taken it at Clayoquot in May, 1894. W. B. Anderson has taken it at Port Simpson, and J. Maynard at Cadboro Bay, near Victoria.

FAMILY CHARADRIIDÆ. PLOVERS; ETC.

CHARADRIUS LINNÆUS.

124. Black-bellied Plover.

Charadrius squatarola (LINN.).

Abundant during migrations along the coast. Brooks has taken it at Chilliwhack and Okanagan.

125. American Golden Plover.

Charadrius dominicus (MULL.).

Common on the coast during migrations. Brooks has taken it at Chilliwhack and Okanagan. Rev. J. H. Keen reports it common at Metlakatla. W. B. Anderson has taken it at Port Simpson.

ÆGIALITIS BOIE.

126. Killdeer Plover.

Ægialitis vocifera (LINN.).

Found throughout the Province; occasionally on the coast in winter. Brooks has taken it at Chilliwhack and Okanagan.

127. Semipalmated Plover.

Ægialitis semipalmata (BONAP.).

Not common. I took two specimens on the West Coast, Vancouver Island—one at Ucluelet, April 28th, 1894, the other at Clayoquot, May, 1894. A. H. Maynard shot one at Cadboro Bay, Victoria.

FAMILY **APHRIZIDÆ**. SURF-BIRDS AND TURNSTONES.**APHRIZA** AUDUBON.

128. Surf-bird.

Aphriza virgata (GMEL.).

Not uncommon along the entire coast line of the Province. I found it quite common at Clayoquot, May, 1894. It has been taken at Port Simpson by W. B. Anderson.

ARENARIA BRISSON.

129. Turnstone.

Arenaria interpres (LINN.).

Along the entire coast line, but not common. It has been taken at Port Simpson and Sidney Island. Brooks has taken it at Sumas Lake.

130. Black Turnstone.

Arenaria melanocephala (VIG.).

Common along the entire coast of the Province. I have taken it at Clayoquot in May, 1894, and I found it very common at Skidegate, Queen Charlotte Islands, in July, 1895, and it is found near Victoria throughout the winter.

FAMILY **HÆMATOPODIDÆ**. OYSTER-CATCHERS.**HÆMATOPUS** LINNÆUS.

131. Black Oyster-Catcher.

Hematopus bachmani (AUD.).

Abundant along the entire coast of Island and Mainland. Breeds throughout its range. Common on Queen Charlotte Islands, at Skidegate.

ORDER **GALLINÆ**. GALLINACEOUS BIRDS.FAMILY **TETRAONIDÆ** GROUSE, PARTRIDGES, ETC.**OREORTYX** BAIRD.

132. Mountain Partridge.

Oreortyx pictus (DOUGL.).

Common on Vancouver Island. Introduced from California.

LOPHORTYX BONAPARTE.

133. California Partridge.

Lophortyx californicus (SHAW.).

Common on Vancouver Island. Introduced from California.

DENDRAGAPUS ELLIOT.

134. Sooty Grouse.

Dendragapus obscurus fuliginosus (RIDGW.).

Abundant west of Cascade Mountains, including Vancouver Island, Queen Charlotte Islands, and all the larger islands along the coast.

135. Richardson's Grouse.

Dendragapus obscurus richardsonii (DOUGL.).

An abundant resident east of Cascade Mountains to Rocky Mountains.

CANACHITES STEJNEGER.

136. Franklin's Grouse.

Canachites franklinii (DOUGL.).

An abundant resident throughout the wooded portion of the interior east of the Cascade Mountains, from Okanagan to Cassiar.

BONASA STEPHENS.

137. Canadian Ruffed Grouse.

Bonasa umbellus togata (LINN.).

An abundant resident east of and including the Cascade Mountains. Taken at Chilliwack by A. C. Brooks.

138. Gray Ruffed Grouse.

Bonasa umbellus umbelloides (DOUGL.).Rocky Mountain District, Soda Creek and Beaver Pass. Check List of B. C. Birds, 1898. (*Fannin.*) Okanagan, A. C. Brooks.

139. Oregon Ruffed Grouse.

Bonasa umbellus sabini (DOUGL.).

An abundant resident on Vancouver Island and all the larger islands on the coast, and on the Mainland west of Cascade Mountains.

LAGOPUS BRISSON.

140. Willow Ptarmigan.

Lagopus lagopus (LINN.).Northern portion of British Columbia, Dease Lake, Cassiar. (*James Porter.*) Log Cabin, Atlin. (*Fletcher and Englehardt.*)

141. **Rock Ptarmigan.***Lagopus rupestris* (GMEL.).

Common on the summit of most of the mountains on the Mainland and Vancouver Island. (*Fannin.*) Quite common at Atlin.

142. **White-tailed Ptarmigan.***Lagopus leucurus* (SWAINS. & RICH.).

Found on the summit of most mountains on the Mainland except the Coast Range. Taken at Okanagan. (*Brooks.*) Cassiar. (*James Porter.*)

PEDICECETES BAIRD.143. **Columbian Sharp-tailed Grouse. Prairie Chicken.***Pediceetes phasianellus columbianus* (ORD.).

An abundant resident east of Cascade Range through the southern portions of the Province. E. P. Venables reports it common near Vernon.

CENTROCERCUS SWAINSON.144. **Sage Grouse.***Centrocercus urophasianus* (BONAP.).

Three specimens taken by Mr. G. B. Martin at Osoyoos Lake in October, 1864. (Check List of B. C. Birds, 1891. *Fannin.*)

FAMILY PHASIANIDÆ. PHEASANTS.**PHASIANUS LINNÆUS.**145. **Ring-necked Pheasant.***Phasianus torquatus* (LINN.).

Abundant on Vancouver Island and in the Lower Fraser River Valley and other portions of the Mainland. Introduced from China; now thoroughly naturalised.

ORDER COLUMBÆ. PIGEONS.**FAMILY COLUMBIDÆ. PIGEONS.****COLUMBA LINNÆUS.**146. **Band-tailed Pigeon.***Columba fasciata* (SAY.).

A common summer resident in the south-western portions of the Province including Vancouver Island.

ECTOPISTES SWAINSON.

147. Passenger Pigeon.

Ectopistes migratorius (LINN.).

Mentioned in John Keast Lord's "Naturalist in British Columbia" (1866). If it ever did occur here, it is now, without doubt, extinct. (*Fannin.*)

ZENAIDURA BONAPARTE.

148. Mourning Dove.

Zenaidura macroura (LINN.).

Not common on Vancouver Island. I found it quite common in the Okanagan in June, 1895. Brooks has taken it at Chilliwack. Rev. J. H. Keen reports it rare at Metlakatla.

ORDER RAPTORES. BIRDS OF PREY.

FAMILY CATHARTIDÆ. AMERICAN VULTURES.

GYMNOGYPS LESSON.

149. California Vulture.

Gymnogyps californianus (SHAW.).

In September, 1880, I saw two of these birds at Burrard Inlet. It is more than probable they are accidental visitants here. Lord says: Mouth of Fraser River; seldom visits the Interior. (*Fannin.*)

CATHARTES ILLEGER.

150. Turkey Vulture.

Cathartes aura (LINN.).

Tolerably common on Vancouver Island and portions of the Mainland. Brooks has taken it at Chilliwack and Okanagan.

FAMILY FALCONIDÆ. FALCONS, HAWKS, EAGLES, ETC.

CIRCUS LACÉPÈDE.

151. Marsh Hawk.

Circus hudsonius (LINN.).

Common on Vancouver Island and Mainland. Abundant on the Mainland. Partially migratory; a few are found throughout the winter at Ladners. (*Fannin.*) Chilliwack and Okanagan. (*Brooks.*)

ACCIPITER BRISSON.

152. Sharp-shinned Hawk.

Accipiter velox (WILS.).

Abundant on Vancouver Island and portions of the Mainland. Brooks has taken it at Chilliwack and Okanagan.

153. Cooper's Hawk.

Accipiter cooperii (BONAP.).

Found on Vancouver Island and Mainland; have taken it at Sicamous. Brooks has taken it at Chilliwack and Okanagan.

154. American Goshawk.

Accipiter atricapillus (WILS.).

Rather common in interior of Province. A few have been taken on Vancouver Island. Brooks has taken it at Chilliwack and Okanagan.

155. Western Goshawk.

Accipiter atricapillus striatulus (RIDGW.).

Common throughout the Province. I found it very common at Skidegate, Queen Charlotte Islands, in August, 1895.

BUTEO CUVIER.

156. Western Red-tailed Hawk.

Buteo borealis calurus (CASS.).

An abundant resident on Vancouver Island and coast of Mainland. Taken at Chilliwack and Okanagan. (Brooks.) Rare at Massett, Queen Charlotte Islands. (Rev. J. H. Keen.)

157. Red-bellied Hawk.

Buteo lineatus elegans (CASS.).

Not common. I have no record of it on Vancouver Island. It has been taken at Burrard Inlet by J. Fannin, and at Chilliwack by A. C. Brooks.

158. Swainson's Hawk.

Buteo swainsoni (BONAP.).

Not common on Vancouver Island; it has been taken at Victoria and Union. Brooks has taken it at Chilliwack and Okanagan.

ARCHIBUTEO BREHM.

159. American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis (GMEL.).

Not common. Found on both Vancouver Island and Mainland. Brooks has taken it at Chilliwack and Okanagan.

AQUILA BRISSON.

160. Golden Eagle.

Aquila chrysaetos (LINN.).

Found throughout the entire Province. Rare on Vancouver Island. A resident.

HALIÆETUS SAVIGNY.

161. Bald Eagle.

Haliæetus leucocephalus alascanus (C. H. TOWNSEND).

An abundant resident throughout the entire Province, on Island and Mainland. Breeds throughout its range. Common on Queen Charlotte Islands.

FALCO LINNÆUS.

162. Gyrfalcon.

Falco rusticolus gyrfalco (LINN.).

One specimen shot at Comox, October, 1894, by W. Harvey. Brooks has taken it at Chilliwack.

163. Prairie Falcon.

Falco mexicanus (SCHLEG.).

Taken at Chilliwack by A. C. Brooks, and at Kamloops, November, 1894, by W. Fortune.

164. Duck Hawk.

Falco peregrinus anatum (BONAP.).

Apparently more common on the Mainland than Vancouver Island. Several have been taken in the Okanagan Country.

165. Peale's Falcon.

Falco peregrinus pealei (RIDGW.).

Found chiefly along the coasts of Mainland and Vancouver Island. Several specimens have been taken at Cadboro Bay, near Victoria. Mr. Brooks has taken it at Chilliwack. Rare at Metlakatla. (Rev. J. H. Keen.)

166. **Pigeon Hawk.***Falco columbarius* (LINN.).

Apparently more common east of the Coast Range. A few have been taken on the Coast. Brooks has taken it at Chilliwack and Okanagan.

167. **Black Merlin.***Falco columbarius suckleyi* (RIDGW.).

Abundant ; summer resident on Vancouver Island and portions of Mainland. Mr. Brooks has taken it at Chilliwack and Okanagan,

168. **Richardson's Merlin.***Falco richardsonii* (RIDGW.).

Not common on Vancouver Island ; a few specimens have been taken near Victoria. Brooks has taken it at Chilliwack and Okanagan.

169. **Desert Sparrow Hawk.***Falco spaverius phalaena* (LESSON).

Abundant throughout the southern portion of Mainland, including Vancouver Island, from the coast to Rocky Mountains.

PANDION SAVIGNY.170. **American Osprey. Fish Hawk.***Pandion haliaetus carolinensis* (GMEL.).

Common throughout the Province, on Mainland and Island, including Queen Charlotte Islands. Their nest is a huge heap of sticks, usually on the broken top of a tree.

FAMILY BUBONIDÆ. HORNED OWLS, ETC.**ASIO BRISSON.**171. **American Long-eared Owl.***Asio wilsonianus* (LESS.).

Not common ; a few have been taken on Vancouver Island. Mr. Brooks has taken it at Chilliwack and Okanagan.

172. **Short-eared Owl.***Asio accipitrinus* (PALL.).

Common throughout the Province, on Island and Mainland ; rather common near Victoria throughout the winter.

SYRNIUM SANIGNY.

173. Northern Spotted Owl.

Syrnium occidentale caurinum (MERRIAM).

Rare resident at Chilliwack and Mount Lehman (*Brooks*.) The late John Fannin had this bird on his first list of B. C. birds, he having taken it at Burrard Inlet some years ago, but in his lists of 1891 and 1898 he dropped it.

SCOTIAPTEX SWAINSON.

174. Great Grey Owl.

Scotiaptex nebulosa (FORSTER).

A rare bird in this Province; it has been taken at Vernon and Stewart's Lake. Brooks has taken it at Chilliwack.

CRYPTOGLAUX RICHMOND.

175. Richardson's Owl.

Cryptoglaux tengmalmi richardsoni (BONAPARTE).

Taken at Okanagan by A. C. Brooks.

176. Saw-whet Owl.

Cryptoglaux acadica (GMEL.).

Not common on Vancouver Island; several have been taken near this city. Tolerably at Chilliwack and common in winter at Okanagan. (*Brooks*.)

176A. North-West Saw-whet Owl.

Cryptoglaux acadica scotva (OSGOOD).

Queen Charlotte Islands.

MEGASCOPS KAUP.

177. Kennicott's Screech Owl.

Megascops asio kennicottii (ELLIOT).

An abundant resident throughout the Province. Breeds in the neighbourhood of Victoria.

178. Macfarlane's Screech Owl.

Megascops asio macfarlanei (BREWST.).

Southern portion of the Province, east of Cascade Mountains.

BUBO DUMERIL.

179. Great Horned Owl.

Bubo virginianus (GMEL.).

Taken at Chilliwack by A. C. Brooks, and near Victoria by John Hall, November, 1896.

180. Western Horned Owl.

Bubo virginianus pallescens (STONE).

Common on Vancouver Island and Mainland. Taken at Chilliwack and Okanagan. (*Brooks.*)

181. Arctic Horned Owl.

Bubo virginianus arcticus (SWAINS.).

One specimen taken near Victoria, November, 1896, by A. H. Maynard, and at Chilliwack by A. C. Brooks.

182. Dusky Horned Owl.

Bubo virginianus saturatus (RIDGW.).

An abundant resident in this Province; common on Vancouver Island. Brooks has taken it at Chilliwack and Okanagan.

NYCTEA STEPHENS.

183. Snowy Owl.

Nyctea nyctea (LINN.).

A resident in the northern portions of the Province, south in winter to mouth of Fraser River, Chilliwack and Okanagan, occasionally to Vancouver Island. Rev. J. H. Keen reports it rare at Metlakatla.

SURNIA DUMÉRIL.

184. American Hawk Owl.

Surnia ulula caparoch (MULL.).

Not common, but found throughout the southern part of the Province from the Coast to Okanagan. Rare on Vancouver Island. It has been taken at Victoria, Sardis, Grand Prairie and Vernon.

SPEOTYTO GLOGER.

185. Burrowing Owl.

Speotyto cunicularia hypogaea (BONAP.).

Not common, but is found in suitable localities in the southern portions of the Province from Chilliwack to Okanagan. Mr. Brooks has taken three specimens at Chilliwack. Rare at Vernon. (*E. P. Venables.*)

GLAUCIDIUM BOIE.

186. Pygmy Owl.

Glaucidium gnoma (WAGL.).Common throughout the Province. (*Fannin.*)

187. California Pygmy Owl.

Glaucidium gnoma californicum (SCL.).

Common throughout the southern portions of the Province, including Vancouver Island.

ORDER COCCYGES. CUCKOOS AND KINGFISHERS.

FAMILY CUCULIDÆ. CUCKOOS.

COCYZUS VIEILLLOT.

188. Western Yellow-billed Cuckoo. California Cuckoo.

Coccyzus americanus occidentalis (RIDGW.).

A regular summer resident in the south-western portions of the Province. It breeds on Vancouver Island near Victoria. Mr. Brooks has taken it at Chilliwhack.

FAMILY ALCEDINIDÆ. KINGFISHERS.

CERYLE BOIE.

189. Belted Kingfisher.

Ceryle alcyon (LINN.).

An abundant resident throughout the Province, breeds throughout its range.

ORDER PICI. WOODPECKERS, WRYNECKS, ETC.

FAMILY PICIDÆ. WOODPECKERS.

DRYOBATES BOIE.

190. Northern Hairy Woodpecker.

Dryobates villosus leucomelas (BODD.).

Common resident on the Mainland east of Cascade Mountains. I found it quite common at Sicamous, May, 1895. Mr. Brooks reports having taken it several times at Chilliwhack.

191. **Harris's Woodpecker.***Dryobates villosus harrisii* (AUD.).

A common resident west of Coast Range, including Vancouver Island.

192. **Cabanis's Woodpecker.***Dryobates villosus hyloscopus* (CAB.).

Rocky Mountain district. Taken at Okanagan by A. C. Brooks.

193. **Queen Charlotte Woodpecker.***Dryobates villosus picoideus* (OSGOOD).

Queen Charlotte Islands.

194. **Gairdner's Woodpecker.***Dryobates pubescens gairdneri* (AUD.).

A very common resident on Vancouver Island, Coast of Mainland and Lower Fraser Valley.

195. **Batchelder's Woodpecker.***Dryobates pubescens homorus* (CAB.).

Common throughout the interior of the Province, along the C. P. R., at Ducks, and at Vernon. Mr. Brooks has taken it at Chilliwack and Okanagan.

XENOPICUS BAIRD.196. **White-headed Woodpecker.***Xenopicus albolarvatus* (CASS.).

A rare bird in this Province, found east of the Coast Range. Museum specimen from Similkameen Valley, collected by R. V. Griffin.

PICOIDES LACÉPÈDE.197. **Black-backed Three-toed Woodpecker.***Picoides arcticus* (SWAINS.).

Found only east of Coast Range, where in some localities it is quite common. Mr. Brooks reports it from Okanagan.

198. **Alaskan Three-toed Woodpecker.***Picoides americanus fasciatus* (BIRD).

West of Cascade Mountains common. Rare on Vancouver Island. Brooks says common resident in the spruce zone on the Coast Range.

199. **Alpine Three-toed Woodpecker.***Picoides americanus dorsalis* (BAIRD).Mountains east of Cascade Mountains, north to Cassiar. (*Fannin.*)**SPHYRAPICUS** BAIRD.200. **Red-naped Sapsucker.***Sphyrapicus varius nuchalis* (BAIRD).

Generally distributed east of Cascade Mountains throughout the Province. It was quite common at Duck's, May, 1895.

201. **Red-breasted Sapsucker.***Sphyrapicus ruber notkensis* (SUCKOW.).

Generally distributed along the Coast. Not uncommon on Vancouver Island. Mr. Brooks has taken it at Chilliwack.

202. **Williamson's Sapsucker.***Sphyrapicus thyroideus* (CASS.).Taken at Similkameen, B. C., by R. V. Griffin, June, 1882. (Check List of B. C. Birds, 1891—*Fannin.*)**CEOPHLÆUS** CABANIS.203. **Northern Pileated Woodpecker.***Ceophlæus pileatus abieticola* (BANGS.).

Common resident throughout the Province, on Vancouver Island and Mainland through the interior to Okanagan. Mr. Brooks found it scarce in the Cariboo District.

ASYNDESMUS (WILS.) COUES.204. **Lewis's Woodpecker.***Asyndesmus torquatus* (WILS.).

Abundant through the interior of the Province, at Vernon and Grand Prairie. I found it quite common at Chilliwack this year. A summer resident on Vancouver Island.

COLAPTES SWAINSON.205. **Northern Flicker.***Colaptes auratus luteus* (BANGS.).

A rare bird of this Province, but is found on Vancouver Island and east to the Rocky Mountains.

206. Red-shafted Flicker.

Colaptes cafer collaris (VIGORS).

Common east of Cascade Mountains through the interior, at Duck's, Sicomous and Okanagan.

207. North-western Flicker.

Colaptes cafer saturator (RIDGW.).

Abundant resident west of Cascade Mountains; very common on Vancouver Island.

ORDER MACROCHIRES. GOATSUCKERS, SWIFTS, ETC.

FAMILY CAPRIMULGIDÆ. GOATSUCKERS.

PHALÆNOPTILUS RIDGWAY.

208. Poor-will.

Phalœnoptilus nuttallii (AUD.).

Southern interior portions of Province from Kamloops through the Okanagan. Summer resident.

CHORDEILES SWAINSON.

209. Nighthawk.

Chordeiles virginianus (GMEL.).

An abundant summer resident east of Cascade Mountains. Mr. Brooks has taken it at Chilliwack.

210. Western Nighthawk.

Chordeiles virginianus henryi (CASS.).

A summer resident west of Cascade Mountains. Abundant on Vancouver Island.

FAMILY MICROPODIDÆ. SWIFTS.

CYPSELOIDES STREUBEL.

211. Black Swift.

Cypseloides niger borealis (RIDGW.).

Common near Victoria during migration. Rev. J. H. Keen says only pass over at Metlakatla. Said to breed in mountains back of Chilliwack and in the neighbourhood of Comox. (*Fannin*.) Taken at Chilliwack and Okanagan. (*Brooks*.)

CHÆTURA STEPHENS.

212. Vaux's Swift.

Chaetura vauuxii (TOWNS.).

A summer resident on Vancouver Island and Mainland. I found it very common near Sicamous, May 28th, 1895.

FAMILY TROCHILIDÆ. HUMMINGBIRDS.

TROCHILUS LINNÆUS.

213. Black-chinned Hummingbird.

Trochilus alexandri (BOURC. & MULS.).

Confined to the Mainland. I have never seen it on Vancouver Island. Mr. Brooks has taken it at Chilliwack and Okanagan.

SELASPHORUS SWAINSON.

214. Red-backed Rufous Hummingbird.

Selasphorus rufus (GMEL.).

An abundant summer resident west of Cascade Mountains, including Vancouver Island. Mr. Brooks has taken it at Okanagan. Common at Metlakatla (Rev. J. H. Keen.)

215. Green-backed Rufous Hummingbird. Allen's Hummingbird.

Selasphorus alleni (HENSH.).

Eastern Cascade and Rocky Mountain districts. (Fannin.)

STELLULA GOULD.

216. Calliope Hummingbird.

Stellula calliope (GOULD).

East and west of Cascade Mountains. (Fannin.)

ORDER PASSERES. PERCHING BIRDS.

FAMILY TYRANNIDÆ. TYRANT FLYCATCHERS.

TYRANNUS CUVIER.

217. Kingbird.

Tyrannus tyrannus (LINN.).

A common summer resident on the Mainland at Chilliwack, Sardis, Ducks and Vernon, and has been taken as far north as Port Simpson. Rare on Vancouver Island.

218. **Gray Kingbird.***Tyrannus dominicensis* (GMEL.).

Accidentally in B. C. One specimen taken at Cape Beale, October 9, 1889, by Miss Cox, and presented to the Museum.

219. **Arkansas Kingbird.***Tyrannus verticalis* (SAY.).

A common summer resident on the Mainland. I have found it quite common at Chilliwack, Ducks and Okanagan, rarely west to Vancouver Island.

SAYORNIS BONAPARTE.220. **Say's Phoebe.***Sayornis saya* (BONAP.).

A summer resident. Not common on Vancouver Island, chiefly on Mainland in the interior. Mr. Brooks has taken it at Chilliwack and Okanagan.

CONTOPUS CABANIS.221. **Olive-sided Flycatcher.***Contopus borealis* (SWAINS.).

A summer resident on Vancouver Island and Mainland. Mr. Brooks has taken it at Chilliwack and Okanagan.

222. **Western Wood Pewee.***Contopus richardsonii* (SWAINS.).

A common summer resident on Vancouver Island and Mainland. Very common at Sicamous, May, 1895.

EMPIDONAX CABANIS.223. **Western Flycatcher.***Empidonax difficilis* (BAIRD.).

A common summer resident west of Cascade Mountains on Mainland and Vancouver Island. I also found it quite common at Skidegate, Queen Charlotte Islands, July, 1895.

224. **Traill's Flycatcher.***Empidonax trailli* (AUD.).

A summer resident. I have found it quite common on Vancouver Island and the Mainland at Sicamous and Vernon. Mr. Brooks has taken it at Chilliwack and Okanagan.

225. **Hammond's Flycatcher.***Empidonax hammondi* (XANTUS.).

Summer resident. Chiefly on the Mainland, east and west of Cascade Mountains. A few have been taken on Vancouver Island.

226. **Wright's Flycatcher.***Empidonax wrightii* (BAIRD).

Summer resident. Taken at Chilliwack and Okanagan. (*Brooks.*)

FAMILY **ALAUDIDÆ.** LARKS.**OTOCORIS** BONAPARTE.227. **Pallid Horned Lark.***Otocoris alpestris leuco/æma* (COUES.).

Common in spring and autumn on Vancouver Island. Have taken it at Clover Point near Victoria. Mr. Brooks has taken it at Chilliwack and Okanagan.

228. **Streaked Horned Lark.***Otocoris alpestris strigata* (HENSCH.).

Spring and autumn migrant on Vancouver Island. Have taken it near Victoria in September. Mr. Brooks has taken it at Chilliwack. West of Cascades; taken at Burrard Inlet and Vancouver Island (*Fanning*). Fort Simpson by W. B. Anderson.

229. **Dusky Horned Lark.***Otocoris alpestris merrilli* (DWIGHT).

Chiefly east of Cascades. I have never known it to be taken on Vancouver Island. Mr. Brooks has taken it at Chilliwack and Okanagan. Chas. de B. Green has taken it at Osoyoos.

FAMILY **CORVIDÆ.** CROWS, JAYS, MAGPIES.**PICA** BRISSON.230. **American Magpie.***Pica pica hudsonica* (SAB.).

A common resident on the Mainland, rarely west to Vancouver Island. Breeds in the interior of the Mainland, east of Cascade Mountains.

CYANOCITTA STRICKLAND.

231. Steller's Jay.

Cyanocitta stelleri (GMEL.).

An abundant resident west of Coast Range on Mainland and Vancouver Island throughout the year.

232. Black-headed Jay.

Cyanocitta stelleri annectens (BAIRD).

This form is quite common in the interior from the Cascades east down through the Okanagan. Mr. Brooks has taken it at Chilliwack.

233. Queen Charlotte Jay.

Cyanocitta stelleri carlottæ (OSGOOD).

Queen Charlotte Islands; not uncommon at Skidegate, August, 1895.

PERISOREUS BONAPARTE.

234. Rocky Mountain Jay.

Perisoreus canadensis capitalis (RIDGW.).

East of Cascade Mountains. Taken at Okanagan and in the Cariboo District by A. C. Brooks.

235. Oregon Jay.

Perisoreus obscurus (RIDGW.).

An abundant resident west of Cascades, on the Mainland, but not so numerous on Vancouver Island.

236. Gray Jay.

Perisoreus obscurus griseus (RIDGW.).

California to British Columbia, east of the Coast and Cascade Ranges. (*Ridgway.*)

CORVUS LINNÆUS.

237. Northern Raven.

Corvus corax principalis (RIDGW.).

A resident throughout the Province; more common on the Coast. I have seen it quite common at Clayoquot, V. I., and in August, 1895, it was very common at Skidegate, Queen Charlotte Islands. Mr. Brooks has taken it at Chilliwack and Okanagan. Common at Metlakatla. (*Rev. J. H. Keen.*)

238. **American Crow.***Corvus brachyrhynchos* (BREHM.)

Common east of Coast Range; common at Sicamous, May, 1895. Mr. Brooks has taken it at Chilliwhack and Okanagan.

239. **Northwest Crow.***Corvus caurinus* (BAIRD).

An abundant resident west of Cascade Mountains, on Mainland and Vancouver Island, and fairly common at Skidegate, Queen Charlotte Islands, July, 1895.

NUCIFRAGA BRISSON.240. **Clarke's Nutcracker.***Nucifraga columbiana* (WILS.).

A common resident on the Mainland, chiefly east of the Coast Range. Rare on Vancouver Island.

CYANOCEPHALUS BONAPARTE.241. **Blue Crow. Piñon Jay.***Cyanocephalus cyanocephalus* (WIED.).

Rocky Mountain region to the Pacific Coast Ranges, but rather more southerly; north to British Columbia; south to Lower California.—“Key to N. A. Birds (Coues), Fifth Edition.”

FAMILY ICTERIDÆ. BLACKBIRDS, ORIOLES, ETC.**DOLICHONYX** SWAINSON.242. **Bobolink.***Dolichonyx oryzivorus* (LINN.)

East and west of Cascade Mountains. Taken at Chilliwhack by A. C. Brooks.

MOLOTHRUS SWAINSON.243. **Cowbird.***Molothrus ater* (BODD.).

A summer resident. I have found it fairly common in the neighbourhood of Ducks, on C. P. R., and Okanagan. It is a rare straggler on Vancouver Island; it has been taken near Victoria. Mr. Brooks has taken it at Chilliwhack. Rev. J. H. Keen reports it rare at Metlakatla.

XANTHOCEPHALUS BONAPARTE.

244. Yellow-headed Blackbird.

Xanthocephalus xanthocephalus (BONAP.).

A rare summer resident on the Mainland. I have heard of it at Vernon. Fannin has found it above Clinton, on the Cariboo Road. Brooks has taken it at Chilliwack.

AGELAIUS VIEILLOT.

245. San Diego Redwing.

Agelaius phoeniceus neutralis (RIDGW.).

Breeding range north, to eastern British Columbia. (*Ridgway*.) East of Cascades I found this form quite common near Vernon, June, 1895.

246. Northwestern Red-wing.

Agelaius phoeniceus caurinus (RIDGW.).

Common west of Cascades, on Mainland and Vancouver Island; it is found throughout the year near Victoria.

STURNELLA VIEILLOT.

247. Western Meadowlark.

Sturnella magna neglecta (AUD.).

Abundant resident on Mainland and Vancouver Island, east and west of Cascades.

ICTERUS BRISSON.

248. Bullock's Oriole.

Icterus bullocki (SWAINS.).

A fairly common summer resident, chiefly east of Cascades. I found it breeding along the valley of the Thompson and in the Okanagan, near Vernon, May and June, 1895. Mr. Brooks has found it breeding at Chilliwack.

EUPHAGUS CASSIN.

249. Rusty Blackbird.

Euphagus carolinus (MULLER).

Rare. One specimen shot at Metlakatla by Rev. J. H. Keen, November, 26th, 1901, and presented by him to the Museum.

250. **Brewer's Blackbird.***Euphagus cyanocephalus* (WAGLER.).

Common, and generally distributed on the Mainland; quite common in the Lower Fraser Valley, Grand Prairie, south side of Thompson River, down into the Okanagan country. Breeding in suitable localities. Not common on Vancouver Island; a few have been taken near Victoria.

FAMILY **FRINGILLIDÆ.** FINCHES, SPARROWS, ETC.**HESPERIPHONA** BONAPARTE.251. **Western Evening Grosbeak.***Hesperiphona vespertina montana* (RIDGW.).

Chiefly on the Mainland. West in winter to Vancouver Island and Lower Fraser Valley. Taken at Chilliwack and Okanagan by A. C. B.

PINICOLA VIEILLOT.252. **Alaskan Pine Grosbeak.***Pinicola enucleator alascensis* (RIDGW.).

Mainland east and west of Cascade Mountains. Common in winter in the neighbourhood of Clinton. Mr. Brooks reports it from Chilliwack and Okanagan. Rare at Metlakatla. (*Rev. J. H. Keen.*)

CARPODACUS KAUP.253. **California Purple Finch.***Carpodacus purpureus californicus* (BAIRD).

An abundant summer resident west of Cascades. Quite a number winter on Vancouver Island.

254. **Cassin's Purple Finch.***Carpodacus cassinii* (BAIRD).

East of Cascades to Rocky Mountains. Tolerably common.

LOXIA LINNÆUS.255. **American Crossbill.***Loxia curvirostra minor* (BREHM.).

An abundant resident throughout the Province, Island and Mainland.

256. **White-winged Crossbill.***Loxia leucoptera* (GMEL.).

An abundant resident chiefly on the Mainland, occasionally west to Vancouver Island.

LEUCOSTICTE SWAINSON.

257. Gray-crowned Leucosticte.

Leucosticte tephrocotis (Swains.).

Rocky Mountain district. In winter, occasionally west to Cascades. Mr. Brooks has taken it as far west as Chilliwhack.

258. Hepburn's Leucosticte.

Leucosticte tephrocotis littoralis (BAIRD).

Common on the Mainland from the Coast to Rocky Mountains. Breeds above timber line in the interior.

ACANTHIS BECHSTEIN.

259. Hoary Redpoll.

Acanthis hornemannii exilipes (COUES.).

Mouth of Quesnelle, S. Williams. Chilliwhack, A. C. Brooks.

260. Redpoll.

Acanthis linaria (LINN.).

The Province at large, but more abundant in the Rocky Mountain district. West in winter to Vancouver Island.

ASTRAGALINUS CABANIS.

261. American Goldfinch.

Astragalinus tristis (LINN.).

Both slopes of Cascades to Rocky Mountains on the Mainland. Taken at Okanagan by A. C. Brooks.

262. Willow Goldfinch.

Astragalinus tristis salicamans (GRINNELL).

Taken at Okanagan by A. C. Brooks.

SPINUS KOCH.

263. Pine Siskin.

Spinus pinus (WILS.).

An abundant resident throughout the Province. Breeds throughout its range.

PASSER BRISSON.

264. House Sparrow.

Passer domesticus (LINN.).

This bird has now become quite common in the cities along the Coast.

PASSERINA (VIEILL).

265. Snowflake.

Passerina nivalis (LINN.).

Not common on Vancouver Island. More abundant east of Cascades on the Mainland.

CALCARIUS BECHSTEIN.

266. Lapland Longspur.

Calcarius lapponicus (LINN.).

The Province at large, but nowhere common. It has been taken at Victoria, Chilliwack, Burrard Inlet, Okanagan, Fort Simpson and Metlakatla.

RHYNCHOPHANES BAIRD.

267. McCown's Longspur.

Rhynchophanes mccownii (LAWR.).

Taken at Chilliwack by A. C. Brooks.

POECETES BAIRD.

268. Western Vesper Sparrow.

Poecetes gramineus confinis (BAIRD).

Interior portions of the Mainland east of Cascades, and in the Okanagan.

269. Oregon Vesper Sparrow.

Poecetes gramineus affinis (MILLER).

West of Cascades, including Vancouver Island.

PASSERCULUS BONAPARTE.

270. Sandwich Sparrow.

Passerculus sandwichensis (GMEL.).

An abundant summer resident west of Cascades on the Mainland, including Vancouver Island. Mr. Brooks has taken it at Okanagan.

271. **Western Savanna Sparrow.***Passerculus sandwichensis alaudinus* (BONAPARTE).

A common summer resident on the Coast, including Vancouver Island.

COTURNICULUS BONAPARTE.272. **Western Grasshopper Sparrow.***Coturniculus savannarum bimaculatus* (SWAINSON).A summer resident in the Okanagan, near Vernon. (*Brooks.*)**CHONDESTES** SWAINSON.273. **Western Lark Sparrow.***Chondestes grammacus strigatus* (SWAINS.).

Interior southern portions of the Mainland, from Chilliwack east through the Okanagan.

ZONOTRICHIA SWAINSON.274. **Harris's Sparrow.***Zonotrichia querula* (NUTT.).

Cadbora Bay, near Victoria, October, 1894, A. H. Maynard; Comox, November, 1894, W. B. Anderson; Sumas (Lower Fraser), 10th January, 1895, A. C. Brooks.

275. **Gambel's Sparrow.***Zonotrichia leucophrys gambelii* (NUTT.).

Mainland, east of Coast Range, east to Okanagan. Common.

276. **Nuttall's Sparrow.***Zonotrichia leucophrys nuttalli* (RIDGW.).

An abundant summer resident on Vancouver Island and Mainland, west of Cascades.

277. **Golden-crowned Sparrow.***Zonotrichia coronata* (PALLAS.).

Abundant during migrations on the Coast; have also taken it at Chilliwack and Okanagan.

SPIZELLA BONAPARTE.278. **Western Tree Sparrow.***Spizella monticola ochracea* (BREWST.).

Chilliwack and Okanagan, A. C. Brooks; Victoria, A. H. Maynard.

279. **Western Chipping Sparrow.***Spizella socialis arizonæ* (COUES.).

An abundant summer resident east and west of Cascades. Breeds in the neighbourhood of this City. Also a number remain throughout the winter.

280. **Clay-coloured Sparrow.***Spizella pallida* (SWAINS.).

Carpenter's Mountain, 150-Mile House, Cariboo, July 3rd, 1901. (*Brooks*.)

281. **Brewer's Sparrow.***Spizella breweri* (CASS.).

Eastern Cascades and Rocky Mountains districts. Similkameen, R. V. Griffin; Okanagan, A. C. Brooks.

JUNCO WAGLER.282. **Slate-coloured Junco.***Junco hyemalis* (LINN.).

Taken at Chilliwack by A. C. Brooks.

283. **Oregon Junco.***Junco hyemalis oregonus* (TOWNSEND).

Abundant resident west of Cascades, including Vancouver Island.

284. **Shufeldt's Junco.***Junco hyemalis shufeldti* (COALE).

Breeding from interior British Columbia (Stuarts Lake) east to Rocky Mountains, south to Vancouver Island.

MELOSIPZA BAIRD.285. **Rusty Song Sparrow.***Melospiza cinerea morphna* (OBERH.).

An abundant resident throughout the Province. Breeds on Vancouver Island and Mainland.

286. **Sooty Song Sparrow.***Melospiza cinerea rufina* (BONAP.).

An abundant resident, chiefly along the coast of Mainland and Vancouver Island. I found it quite common at Skidegate, Queen Charlotte Islands, August, 1895.

287. **Lincoln's Sparrow.***Melospiza lincolnii* (AUD.).

Not common. East and west of Cascades; a few have been taken near Victoria. Mr. Brooks has taken it at Okanagan.

288. **Forbush's Sparrow.***Melospiza lincolnii striata* (BREWST.).

Collected at Comox, September, 1888, by E. H. Forbush. Taken at Chilliwack by A. C. Brooks.

PASSERELLA SWAINSON.289. **Townsend's Sparrow.***Passerella iliaca unalaschensis* (GMEL.).

A common summer resident west of Cascades. A few remain throughout the winter on Vancouver Island; I have taken it in November and January.

290. **Slate-coloured Sparrow.***Passerella iliaca schistacea* (BAIRD).

Southern portions of Mainland, east of Cascades. Sicamous, J. Fannin, Okanagan, A. C. Brooks.

PIPILO VIEILLOT.291. **Spurred Towhee.***Pipilo maculatus megalonyx* (BAIRD).

East of Cascades, south through the Okanagan.

292. **Oregon Towhee.***Pipilo maculatus oregonus* (BELL.).

An abundant resident west of Cascades. Breeds on Vancouver Island and Mainland.

ZAMELODIA COUES.293. **Black-headed Grosbeak.***Zamelodia melanocephala* (SWAINS.).

A summer resident on Vancouver Island. Taken at Chilliwack. (Brooks.) A summer resident east and west of Cascades. (Fannin.)

CYANOSPIZA BAIRD.

294. Lazuli Bunting.

Cyanospiza amœna (SAY.).

A summer resident chiefly east of Cascades. I have seen it at Chilliwhack and near Vernon. Rare on Vancouver Island.

FAMILY TANAGRIDÆ. TANAGERS.

PIRANGA VIEILLOT.

295. Louisiana Tanager.

Piranga ludoviciana (WILS.).

An abundant summer resident throughout the Province. Vancouver Island and Mainland.

FAMILY HIRUNDINIDÆ. SWALLOWS.

PROGNE BOIE.

296. Purple Martin.

Progne subis (LINN.).

A common summer resident chiefly in the cities along the Coast. West of Cascades.

PETROCHELIDON CABANIS.

297. Cliff Swallow.

Petrochelidon lunifrons (SAY.).

Common summer resident on the Mainland east and west of Cascades, Chilliwhack, Okanagan and Cariboo Road.

HIRUNDO LINN.

298. Barn Swallow.

Hirundo erythrogastra (BODD).

An abundant summer resident throughout the Province, including Vancouver Island and Queen Charlotte Islands.

TACHYCINETA CABANIS.

299. White-bellied Swallow.

Tachycineta bicolor (VIEILL.).

An abundant summer resident east and west of Cascades.

300. **Northern Violet-green Swallow.***Tachycineta thalassina lepida* (MEARNS).

An abundant summer resident throughout the Province, east and west of Cascades.

RIPARIA FORESTER.301. **Bank Swallow.***Riparia riparia* (LINN.).

An abundant summer resident, chiefly east of Cascades, north to Cariboo District. Very common from Sicamous down through the Okanagan. Taken at Chilliwack by A. C. Brooks.

STELGIDOPTERYX BAIRD.302. **Rough-winged Swallow.***Stelgidopteryx serripennis* (AUD.).

A common summer resident throughout the Province. Vancouver Island and Mainland.

FAMILY AMPELIDÆ. WAXWINGS.**AMPELIS LINNÆUS.**303. **Bohemian Waxwing.***Ampelis garrulus* (LINN.).

An abundant resident chiefly east of Cascades. A winter visitant to the Coast and Vancouver Island.

304. **Cedar Bird.***Ampelis cedrorum* (VIEILL.).

A common summer resident throughout the Province. Vancouver Island and Mainland.

FAMILY LANIIDÆ. SHRIKES.**LANIUS LINNÆUS.**305. **Northern Shrike. Butcher-bird.***Lanius borealis* (VIEILL.).

Not common, but found distributed throughout the Province. Found throughout the winter on the Coast.

306. **White-rumped Shrike.***Lanis ludovicianus excubitorides* (SWAINS.).

Chilliwack, A. C. Brooks. Victoria, A. H. Maynard.

FAMILY VIREONIDÆ. VIREOS.

VIREO VIEILLOT.

307. **Red-eyed Vireo.***Vireo olivaceus* (LINN.).

Distributed over the southern portions of the Province, including Vancouver Island. A summer resident. Chilliwack and Okanagan, A. C. Brooks.

308. **Western Warbling Vireo.***Vireo gilvus swainsonii* (BAIRD).

Common summer resident, west of Rocky Mountains to Pacific. Mainland and Vancouver Island.

309. **Cassin's Vireo.***Vireo solitarius cassinii* (XANTUS.).

A summer resident east and west of Cascades, including Vancouver Island.

310. **Anthony's Vireo.***Vireo huttoni obscurus* (ANTHONY).

A summer resident on Vancouver Island.

FAMILY MNIOTILTIDÆ. WOOD WARBLERS.

HELMINTHOPHILA RIDGWAY.

311. **Calaveras Warbler.***Helminthophila ruficapilla gutturalis* (RIDGW.).

Rocky Mountains to Pacific. A summer resident. Common in the Okanagan. (Brooks.)

312. **Orange-crowned Warbler.***Helminthophila celata* (SAY.).

A common summer resident east and west of Cascades.

313. **Lutescent Warbler.***Helminthophila celata lutescens* (RIDGW.).

An abundant summer resident, chiefly west of Cascades, along the coast of Mainland and Vancouver Island.

314. **Tennessee Warbler.***Helminthophila peregrina* (WILS.).

Taken at 150-Mile House, Cariboo, by A. C. Brooks.

DENDROICA GRAY.315. **Alaskan Yellow Warbler.***Dendroica aestiva rubiginosa* (PALLAS).

An abundant summer resident throughout the Province, from Rocky Mountains to the Pacific.

316. **Myrtle Warbler.***Dendroica coronata* (LINN.).An abundant summer resident on Vancouver Island and Mainland, chiefly west of Cascades. Rare at Metlakatla. (*Rev. J. H. Keen.*) Okanagan. (*Brooks*).317. **Audubon's Warbler.***Dendroica auduboni* (TOWNS.).

An abundant summer resident throughout the Province, Vancouver Island and Mainland east to Rocky Mountains.

318. **Magnolia Warbler.***Dendroica maculosa* (GMEL.).Okanagan, 1898 (*Rhoads*).319. **Black-throated Gray Warbler.***Dendroica nigrescens* (TOWNS.).Not common. A summer resident west of Cascades, but chiefly along the Coast. Taken at Chilliwack (*Brooks*).320. **Townsend's Warbler.***Dendroica townsendi* (TOWNSEND).

Not common, but found distributed throughout the Province, chiefly west of Cascades, including Vancouver Island and Queen Charlotte Islands.

321. **Hermit Warbler. Western Warbler.***Dendroica occidentalis* (TOWNSEND).

A summer resident, chiefly west of Cascade Range.

SEIURUS SWAINSON.

322. Grinnell's Water-thrush.

Seiurus noveboracensis notabilis (RIDGW.).

Taken at Ducks, C. P. R., by Clark P. Streater, August 7th, 1889.
 Taken at Quesnel, August 30th, 1900, by A. C. Brooks.

GEOTHYLPIS CABANIS.

323. Macgillivray's Warbler.

Geothlypis tolmiei (TOWNS.).

A common summer resident throughout the Province, Vancouver Island and Mainland.

324. Western Yellow-throat.

Geothlypis trichas occidentalis (BREWST.).

A common summer resident throughout the Province.

325. Pacific Yellow-throat.

Geothlypis trichas arizela (OBERH.)

Summer resident in the southern portion of Mainland and Vancouver Island.

ICTERIA VIEILLOT.

326. Long-tailed Chat.

Icteria virens longicauda (LAWR.).

Summer resident in the southern portions of the Province, from Sumas east to Okanagan, south of Ashcroft.

WILSONIA BONAPARTE.

327. Wilson's Warbler.

Wilsonia pusilla (WILS.).

Vancouver Island and Mainland, east and west of Cascades. S. N. Rhoads, 1892 (*Fannin.*)

328. Pileolated Warbler.

Wilsonia pusilla pileolata (PALL.).

A common summer resident on Vancouver Island and Mainland.

329. **Golden Pileolated Warbler.***Wilsonia pusilla chryseola* (RIDGW.).

A summer resident, New Westminster and Mount Lehman.

SETOPHAGA SWAINSON.330. **American Redstart.***Setophaga ruticilla* (LINN.).

Found through the interior of the Province, from Barkerville south to Okanagan, chiefly east of, and accidentally west of, Cascades. Taken at Chilliwack by A. C. Brooks.

FAMILY MOTACILLIDÆ. WAGTAILS AND PIPITS.**ANTHUS** BECHSTEIN.331. **American Pipit.***Anthus pensilvanicus* (LATH.).

Very abundant during migration, east and west of Cascades. Found throughout some winters on Vancouver Island.

FAMILY CINCLIDÆ. DIPPERS.**CINCLUS** BECHSTEIN.332. **American Dipper.***Cinclus mexicanus* (SWAINS.).

Common throughout the Province in suitable localities.

FAMILY TROGLODYTIDÆ. WRENS.**GALEOSOPTES** CABANIS.333. **Catbird.***Galeoscoptes carolinensis* (LINN.).

A common summer resident east and west of Cascades. Rare on Vancouver Island.

SALPINCTES CABANIS.334. **Rock Wren.***Salpinctes obsoletus* (SAY.).

Common east of Cascades, rarely west to the Coast. Chilliwack. (*Brooks.*) Burrard Inlet. (*Fannin.*)

THRYOMANES SCLATER.

335. Vigor's Wren.

Thryomanes bewickii spilurus (VIG.).

A common summer resident west of Cascades. Found throughout the winter on Vancouver Island.

TROGLODYTES VIEILLOT.

336. Parkman's Wren.

Troglodytes ædon parkmanii (AUD.).

A common summer resident east and west of Cascades, including Vancouver Island.

OLBIORCHILUS OBERHOLSER.

337. Western Winter Wren.

Olbiorchilus hiemalis pacificus (BAIRD).

An abundant resident east and west of Cascades, including Vancouver Island.

TELMATODYTES CABANIS.

338. Tule Wren.

Telmatodytes palustris paludicola (BAIRD).

Abundant east of Cascades, from the lakes along the Cariboo Road, south through the Okanagan. Taken at Chilliwack by A. C. Brooks.

FAMILY CERTHIIDÆ. CREEPERS.

CERTHIA LINNÆUS.

339. Rocky Mountain Creeper.

Certhia familiaris montana (RIDGW.).

Southern portion of east of Cascades. Okanagan.

340. California Creeper.

Certhia familiaris occidentalis (RIDGW.).

Common on Vancouver Island. East and west of Cascades on the Mainland.

FAMILY SITTIDÆ. NUTHATCHES.

SITTA LINNÆUS.

341. Slender-billed Nuthatch.

Sitta carolinensis aculeata (CASS.).

Common east of Cascades, from Ashcroft south through the Okanagan. I found it quite common near Shuswap, May, 1895.

342. Red-breasted Nuthatch.

Sitta canadensis (LINN.).

Common east and west of Cascades. Found throughout the winter on Vancouver Island.

343. Pygmy Nuthatch.

Sitta pygmaea (VIG.).

East of Cascades, in the south-eastern portions of the Province. I found it fairly common at Grand Prairie, May, 1895.

FAMILY PARIDÆ. TITMICE OR CHICKADEES.

PARUS LINNÆUS.

344. Long-tailed Chickadee.

Parus atricapillus septentrionalis (HARRIS.).

Common east of Cascades, from Cornwall's south to Okanagan.

345. Oregon Chickadee.

Parus atricapillus occidentalis (BAIRD.).

A common resident west of Cascades.

346. Mountain Chickadee.

Parus gambeli (RIDGW.).

East of Cascades to Rocky Mountains, and south through Okanagan.

347. Columbia Chickadee.

Parus hudsonicus columbianus (RHOADS).

East of Cascades to Rocky Mountains, from Cassiar District south to Okanagan.

348. Chestnut-backed Chickadee.

Parus rufescens (TOWNS.).

An abundant resident chiefly west of Cascades. Vancouver Island and Queen Charlotte Islands. Taken at Arrow Lake by A. C. Brooks.

FAMILY CHAMÆIDÆ. WREN, TITS AND BUSH-TITS.

PSALTRIPARUS BONAPARTE.

349. Least Bush-tit.

Psaltriparus minimus (TOWNS.).

Rare. Taken at Sumas, November 25, 1899, by A. C. Brooks.

FAMILY SYLVIIDÆ. WARBLERS. KINGLETS.

REGULUS CUVIER.

350. Western Golden-crowned Kinglet.

Regulus satrapa olivaceus (BAIRD).

Abundant throughout the Province.

351. Ruby-crowned Kinglet.

Regulus calendula (LINN.).

Abundant throughout the Province.

FAMILY TURDIDÆ. THRUSHES, SOLITAIRES AND BLUEBIRDS.

MYADESTES SWAINSON.

352. Townsend's Solitaire.

Myadestes townsendii (AUD.).

Not common. Found east and west of Cascades, including Vancouver Island.

HYLOCICHLA BAIRD.

353. Willow Thrush.

Hylocichla fuscescens salicicola (RIDGW.).

A common summer resident east of Cascades.

354. Russet-backed Thrush.

Hylocichla ustulata (NUTT.).

A common summer resident west of Cascades. Very common on Queen Charlotte Islands, July, 1895.

355. **Olive-backed Thrush.***Hylocichla ustulata swainsoni* (CAB.).

Southern portion of Mainland east of Cascades.

356. **Alaska Hermit Thrush.***Hylocichla guttata* (PALLAS).

West of Cascades, chiefly coastwise. Common at Skidegate, Queen Charlotte Islands, August, 1895.

357. **Audubon's Hermit Thrush.***Hylocichla guttata auduboni* (BAIRD).

Southern portions of the Province, east of Cascades to Rocky Mountains.

MERULA LEACH.358. **American Robin.***Merula migratoria* (LINN.).

Both forms are to be found on Vancouver Island. Taken at Chilliwack by A. C. Brooks.

359. **Western Robin.***Merula migratoria propinqua* (RIDGW.).

An abundant resident throughout the Province.

IXOREUS BONAPARTE.360. **Varied Thrush.***Ixoreus naevius* (GMEL.).

Common throughout the Province, east and west of Cascades.

SIALIA SWAINSON.361. **Western Bluebird.***Sialia mexicana occidentalis* (TOWNS.).

A common summer resident east and west of Cascades. A few winter on Vancouver Island.

362. **Mountain Bluebird.***Sialia arctica* (SWAINS.).

A summer resident east and west of Cascades, including Vancouver Island.

INDEX.

—:o:—

A.

	No.	Page.
Albatross, Black-footed	35	10
" Short-tailed	36	10
Auklet, Rhinoceros	12	6
" Cassin's	13	7

B.

Bittern, American	88	18
Blackbird, Yellow-headed	244	43
" San Diego Redwing	245	43
" North-western	246	43
" Rusty	249	43
" Brewer's	250	44
Bluebird, Western	361	59
" Mountain	362	59
Bobolink	242	42
Brant	82	17
" Black	83	17
Bunting, Lazuli	294	50
Bush-tit, Least	349	58

C.

Catbird	333	55
Chat, Long-tailed	326	54
Chickadee, Long-tailed	344	57
" Oregon	345	57
" Mountain	346	57
" Columbia	347	57
" Chestnut-backed	348	58
Cormorant, White-crested	43	11
" Brandt's	44	11
" Violet-green	45	12
Cowbird	243	42
Coot, American	96	19
Crane, Little Brown	92	19
" Sandhill	93	19
Creeper, Rocky Mountain	339	56
" California	340	56
Crow, American	238	42

	No.	Page.
Crow, Northwest	239	42
Crossbill, American	255	44
" White-winged	256	44
Cuckoo, Western Yellow-billed	188	34
Curlew, Long-billed	122	24
" Hudsonian	123	24

D.

Dipper, American	332	55
Dove, Mourning	148	28
Dowitcher, Long-billed	101	20
Duck, Mallard	51	13
" Gadwall	52	13
" European Widgeon	53	13
" American	54	13
" Green-winged Teal	55	13
" Blue-winged	56	13
" Cinnamon	57	13
" Shoveller	58	14
" Pintail	59	14
" Wood	60	14
" Red-head	61	14
" Canvas-back	62	14
" American Scaup	63	14
" Lesser Scaup	64	14
" Ring-necked	65	15
" American Golden-eye	66	15
" Barrow's	67	15
" Buffle-head	68	15
" Long-tailed	69	15
" Harlequin	70	15
" American Black Scoter	71	16
" White-winged	72	16
" Surf Scoter	73	16
" Ruddy	74	16

E.

Eagle, Golden	160	30
" Bald	161	30

F.

Falcon, Prairie	163	30
" Peale's	165	30
Finch, California Purple	253	44
" Cassin's	254	44
Flycatcher, Olive-sided	221	39
" Western	223	39
" Traill's	224	39
" Hammond's	225	40

	No.	Page.
Flycatcher, Wright's	226	40
Flicker, Northern	205	36
" Red-shafted	206	37
" North-western	207	37
Fulmar, Pacific	37	10

G.

Godwit, Marbled	112	22
Goose, Lesser Snow	75	16
" Ross's	76	16
" American White-fronted	77	17
" Canada	78	17
" Hutchin's	79	17
" White-cheeked	80	17
" Cackling	81	17
" Emperor	84	17
Goldfinch, American	261	45
" Willow	262	45
Grebe, Western	1	5
" American Red-necked	2	5
" Horned	3	5
" American Eared	4	5
" Pied-billed	5	5
Grouse, Sooty	134	26
" Richardson's	135	26
" Franklin's	136	26
" Canadian Ruffed	137	26
" Gray Ruffed	138	26
" Oregon Ruffed	139	26
" Columbian Sharp-tailed	143	27
" Sage	144	27
Grosbeak, Western Evening	251	44
" Alaskan Pine	252	44
" Black-headed	293	49
Guillemot, Pigeon	16	7
Gull, Ivory	21	8
" Glaucous-winged	23	8
" Western	24	8
" American	25	8
" California	26	9
" Ring-billed	27	9
" Short-billed	28	9
" Heermann's	29	9
" Bonaparte's	30	9
" Sabine's	31	9
Gyr Falcon	162	30

H.

Hawk, Marsh	151	28
" Sharp-shinned	152	29

	No.	Page.
Hawk, Cooper's	153	29
" American Goshawk	154	29
" Western Goshawk	155	29
" Western Red-tailed	156	29
" Red-bellied	157	29
" Swainson's	158	29
" American Rough-legged	159	30
" Duck	164	30
" Pigeon	166	31
" Desert Sparrow	169	31
Heron, Great Blue	89	18
" North-west Coast	90	18
" Snowy	91	19
Hummingbird, Black-chinned	213	38
" Red-backed Rufous	214	38
" Green-backed Rufous	215	38
" Calliope	216	38

I.

Ibis, White-faced Glossy	87	18
--------------------------------	----	----

J.

Jaeger, Parasitic	19	8
" Pomarine	18	7
" Long-tailed	20	8
Jay, Steller's	231	41
" Black-headed	232	41
" Queen Charlotte	233	41
" Rocky Mountain	234	41
" Oregon	235	41
" Gray	236	41
" Piñon	241	41
Junco, Slate-colored	282	48
" Oregon	283	48
" Shufeldt's	284	48

K.

Kittiwake, Pacific	22	8
Kingfisher, Belted	189	34
Kingbird	217	38
" Gray	218	39
" Arkansas	219	39
Kinglet, Western Golden-crowned	350	58
" Ruby-crowned	351	58
Knot	103	21

L.

Lark, Pallid Horned	227	40
" Streaked "	228	40

	No.	Page.
Lark, Dusky Horned	229	40
Lencosticte, Gray-crowned	257	45
" Hepburn's	258	45
Longspur, Lapland	266	46
" McCown's	267	46
Loon, Great Northern Diver	6	6
" Black-throated	7	6
" Pacific	8	6
" Red-throated	9	6

M.

Martin, Purple	296	50
Magpie, American	230	40
Meadowlark, Western	247	43
Merlin, Black	167	31
" Richardson's	168	31
Merganser, American	48	12
" Red-breasted	49	12
" Hooded	50	11
Murrelet, Ancient	14	7
" Marbled	15	7
Murre, California	17	7

N.

Nighthawk	207	37
" Western	208	37
Nutcracker, Clarke's	240	42
Nuthatch, Slender-billed	341	57
" Red-breasted	342	57
" Pygmy	343	57

O.

Oriole, Bullock's	248	43
Osprey, American	170	31
Owl, American Long-eared	171	31
" Short-eared	172	31
" Northern Spotted	173	32
" Great Gray	174	32
" Richardson's	175	32
" Saw-whet	176	32
" North-West Saw-whet	176A	32
" Kennicott's Screech	177	32
" Macfarlane's "	178	32
" Great Horned	179	33
" Western "	180	33
" Arctic "	181	33
" Dusky "	182	33
" Snowy	183	33
" American Hawk	184	33

	No.	Page.
Owl, Burrowing	185	33
" Pygmy	186	34
" California Pygmy	187	34
Oyster-catcher, Black.....	131	25

P.

Partridge, Mountain	132	25
" California	133	26
Pelican, American White	46	12
" California Brown.....	47	12
Petrel, Gray Fork-tailed	41	11
" Leach's	42	11
Pewee, Western Wood.....	222	39
Phalarope, Red.....	97	20
" Northern	88	20
" Wilson's	99	20
Pheasant, Ring-necked	145	27
Phoebe, Say's.....	220	39
Pigeon, Band-tailed	146	27
" Passenger	147	28
Pipit, American	331	55
Plover, American Golden	125	24
" Black-bellied	124	24
" Killdeer	126	24
" Semipalmated	127	24
Poor-Will.....	208	37
Ptarmigan, Willow.....	140	26
" Rock	141	27
" White-tailed	142	27
Puffin, Tufted	10	6
" Horned	11	6

R.

Rail, Virginia.....	94	19
" Carolina	95	19
Raven, Northern	237	41
Redpoll, Hoary	259	45
"	260	45
Redstart, American	330	55
Robin, American	358	59
" Western	359	59

S.

Sanderling	111	22
Sandpiper, Stilt.....	102	21
" Sharp-tailed	104	21
" Pectoral	105	21
" Baird's	106	21
" Least.....	107	21

	No.	Page.
Sandpiper, Red-backed	108	21
" Semipalmated	109	22
" Western Semipalmated	110	22
" Solitary	115	22
" Western Solitary	116	23
" Bartramian	119	23
" Buff-breasted	120	23
" Spotted	121	23
Sapsucker, Red-naped	200	36
" Red-breasted	201	36
" Williamson's	202	36
Shrike, Northern	305	51
" White-rumped	306	52
Shearwater, Black-vented	38	10
" Dark-bodied	39	11
" Slender-billed	40	11
Siskin, Pine	263	45
Snipe, Wilson's	100	20
Snowflake	265	46
Solitaire, Townsend's	352	58
Sparrow, House	264	46
" Western Vesper	268	46
" Oregon "	269	46
" Sandwich	270	46
" Western Savanna	271	47
" " Grasshopper	272	47
" " Lark	273	47
" Harris's	274	47
" Gambel's	275	47
" Nuttall's	276	47
" Golden-crowned	277	47
" Western Tree	278	47
" " Chipping	279	48
" Clay-colored	280	48
" Brewer's	281	48
" Rusty Song	285	48
" Sooty "	286	48
" Lincoln's	287	49
" Forbush's	288	49
" Townsend's	289	49
" Slate-coloured	290	49
Surf-bird	128	25
Swan, Whistling	85	18
" Trumpeter	86	18
Swallow, Cliff	297	50
" Barn	298	50
" White-bellied	299	50
" Northern violet-green	300	51
" Bank	301	51
" Rough-winged	302	51

	No.	Page.
Owl, Burrowing	185	33
" Pygmy	186	34
" California Pygmy	187	34
Oyster-catcher, Black	131	25

P.

Partridge, Mountain	132	25
" California	133	26
Pelican, American White	46	12
" California Brown	47	12
Petrel, Gray Fork-tailed	41	11
" Leach's	42	11
Pewee, Western Wood	222	39
Phalarope, Red	97	20
" Northern	88	20
" Wilson's	99	20
Pheasant, Ring-necked	145	27
Phoebe, Say's	220	39
Pigeon, Band-tailed	146	27
" Passenger	147	28
Pipit, American	331	55
Plover, American Golden	125	24
" Black-bellied	124	24
" Killdeer	126	24
" Semipalmated	127	24
Poor-Will	208	37
Ptarmigan, Willow	140	26
" Rock	141	27
" White-tailed	142	27
Puffin, Tufted	10	6
" Horned	11	6

R.

Rail, Virginia	94	19
" Carolina	95	19
Raven, Northern	237	41
Redpoll, Hoary	259	45
"	260	45
Redstart, American	330	55
Robin, American	358	59
" Western	359	59

S.

Sanderling	111	22
Sandpiper, Stilt	102	21
" Sharp-tailed	104	21
" Pectoral	105	21
" Baird's	106	21
" Least	107	21

	No.	Page.
Sandpiper, Red-backed	108	21
" Semipalmated	109	22
" Western Semipalmated	110	22
" Solitary	115	22
" Western Solitary	116	23
" Bartramian	119	23
" Buff-breasted	120	23
" Spotted	121	23
Sapsucker, Red-naped	200	36
" Red-breasted	201	36
" Williamson's	202	36
Shrike, Northern	305	51
" White-rumped	306	52
Shearwater, Black-vented	38	10
" Dark-bodied	39	11
" Slender-billed	40	11
Siskin, Pine	263	45
Snipe, Wilson's	100	20
Snowflake	265	46
Solitaire, Townsend's	352	58
Sparrow, House	264	46
" Western Vesper	268	46
" Oregon "	269	46
" Sandwich	270	46
" Western Savanna	271	47
" " Grasshopper	272	47
" " Lark	273	47
" Harris's	274	47
" Gambel's	275	47
" Nuttall's	276	47
" Golden-crowned	277	47
" Western Tree	278	47
" " Chipping	279	48
" Clay-colored	280	48
" Brewer's	281	48
" Rusty Song	285	48
" Sooty "	286	48
" Lincoln's	287	49
" Forbush's	288	49
" Townsend's	289	49
" Slate-coloured	290	49
Surf-bird	128	25
Swan, Whistling	85	18
" Trumpeter	86	18
Swallow, Cliff	297	50
" Barn	298	50
" White-bellied	299	50
" Northern violet-green	300	51
" Bank	301	51
" Rough-winged	302	51

	No.	Page.
Swift, Black	211	37
" Vaux	212	38

T.

Tanager, Louisiana	295	50
Tatler, Wandering	118	23
Tern, Common	32	9
" Arctic	33	10
" Black	34	10
Thrush, Willow	353	58
" Russet-backed	354	58
" Olive-backed	355	59
" Alaska Hermit	356	59
" Audubon's	357	59
" Varied	360	59
Towhee, Spurred	291	49
" Oregon	292	49
Turnstone	129	25
" Black	130	25

V.

Vireo, Red-eyed	307	52
" Western Warbling	308	52
" Cassin's	309	52
" Anthony's	310	52
Vulture, California	149	28
" Turkey	150	28

W.

Warbler, Calaver's	311	52
" Orange-crowned	312	52
" Lutescent	313	52
" Tennessee	314	53
" Alaskan Yellow	315	53
" Myrtle	316	53
" Audubon's	317	53
" Magnolia	318	53
" Black-throated Gray	319	53
" Townsend's	320	53
" Macgillivray's	323	54
" Hermit	321	53
" Western Yellow-throat	324	54
" Pacific Yellow-throat	325	54
" Wilson's	327	54
" Pileolated	328	54
" Golden Pileolated	329	55
Water-thrush, Grinnell's	322	54
Waxwing, Bohemian	303	51
" Cedar	304	51

	No.	Page.
Willet, Western	117	23
Woodpecker, Northern Hairy	190	34
" Harris's	191	35
" Cabanis's	192	35
" Queen Charlotte	193	35
" Gairdner's	194	35
" Batchelder's	195	35
" White-headed	196	35
" Black-backed Three-toed	197	35
" Alaskan	198	35
" Alpine	199	36
" Northern Pileated	203	36
" Lewis's	204	36
Wren, Rock	334	55
" Vigor's	335	56
" Parkman's	336	56
" Western Winter	337	56
" Tule	338	56

Y.

Yellow-legs, Greater	113	22
" Lesser	114	22

VICTORIA, B.C. :

Printed by RICHARD WOLFENDEN, I.S.O., V.D., Printer to the King's Most Excellent Majesty
1904

RETURN TO the circulation desk of any
University of California Library
or to the

NORTHERN REGIONAL LIBRARY FACILITY
Bldg. 400, Richmond Field Station
University of California
Richmond, CA 94804-4698

ALL BOOKS MAY BE RECALLED AFTER 7 DAYS

- 2-month loans may be renewed by calling (510) 642-6753
- 1-year loans may be recharged by bringing books to NRLF
- Renewals and recharges may be made 4 days prior to due date.

DUE AS STAMPED BELOW

OCT 20 1998
